

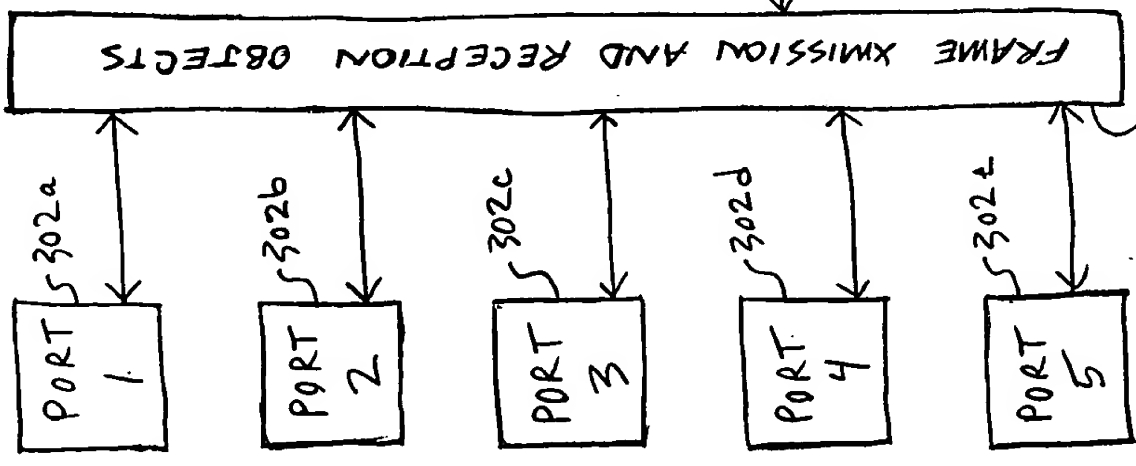
FIG. 1 (PRIOR ART)



FIG. 2

PROTOCOL ENTITY 306

227



002T0T 6T906350 308

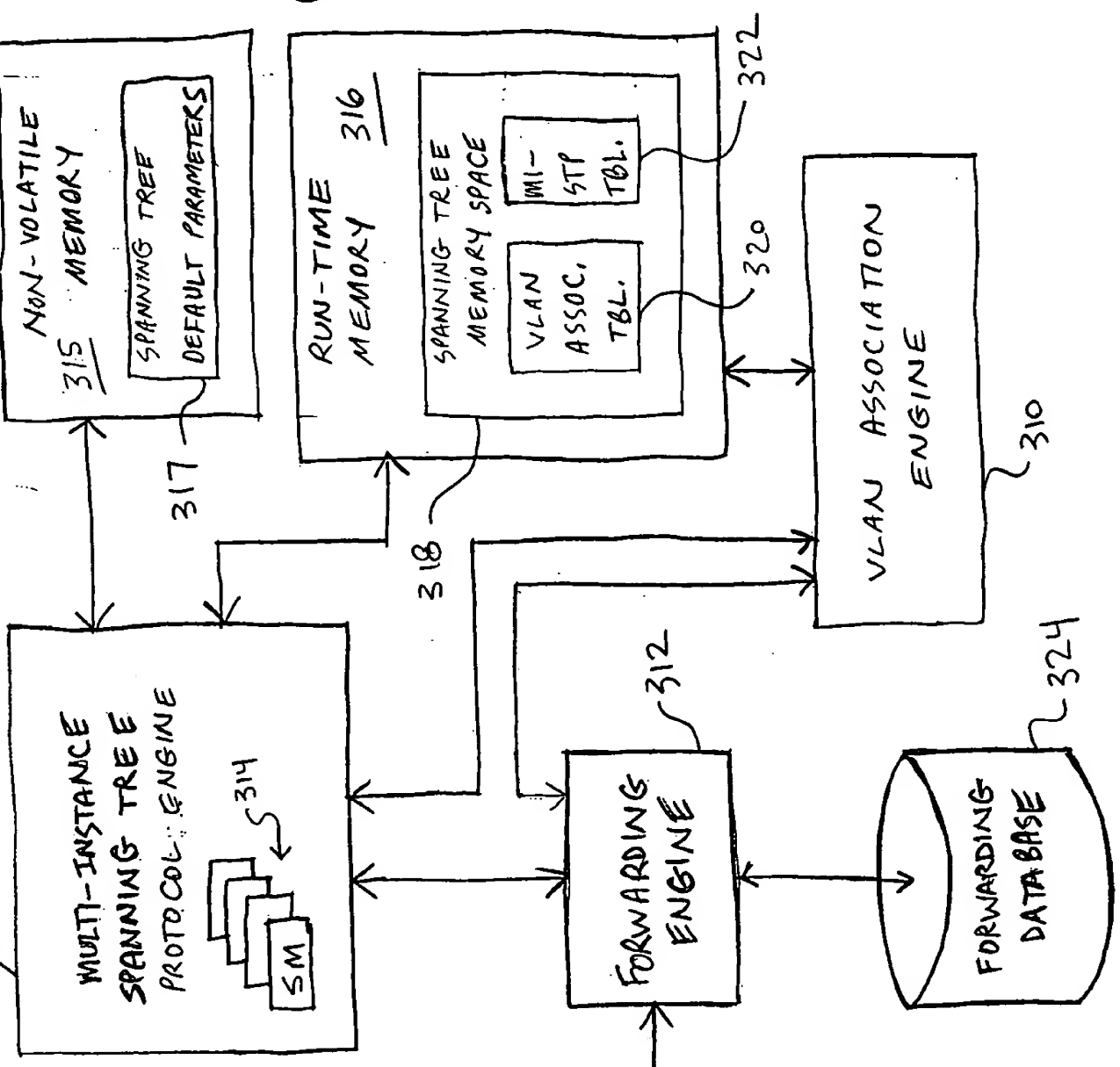


FIG. 3

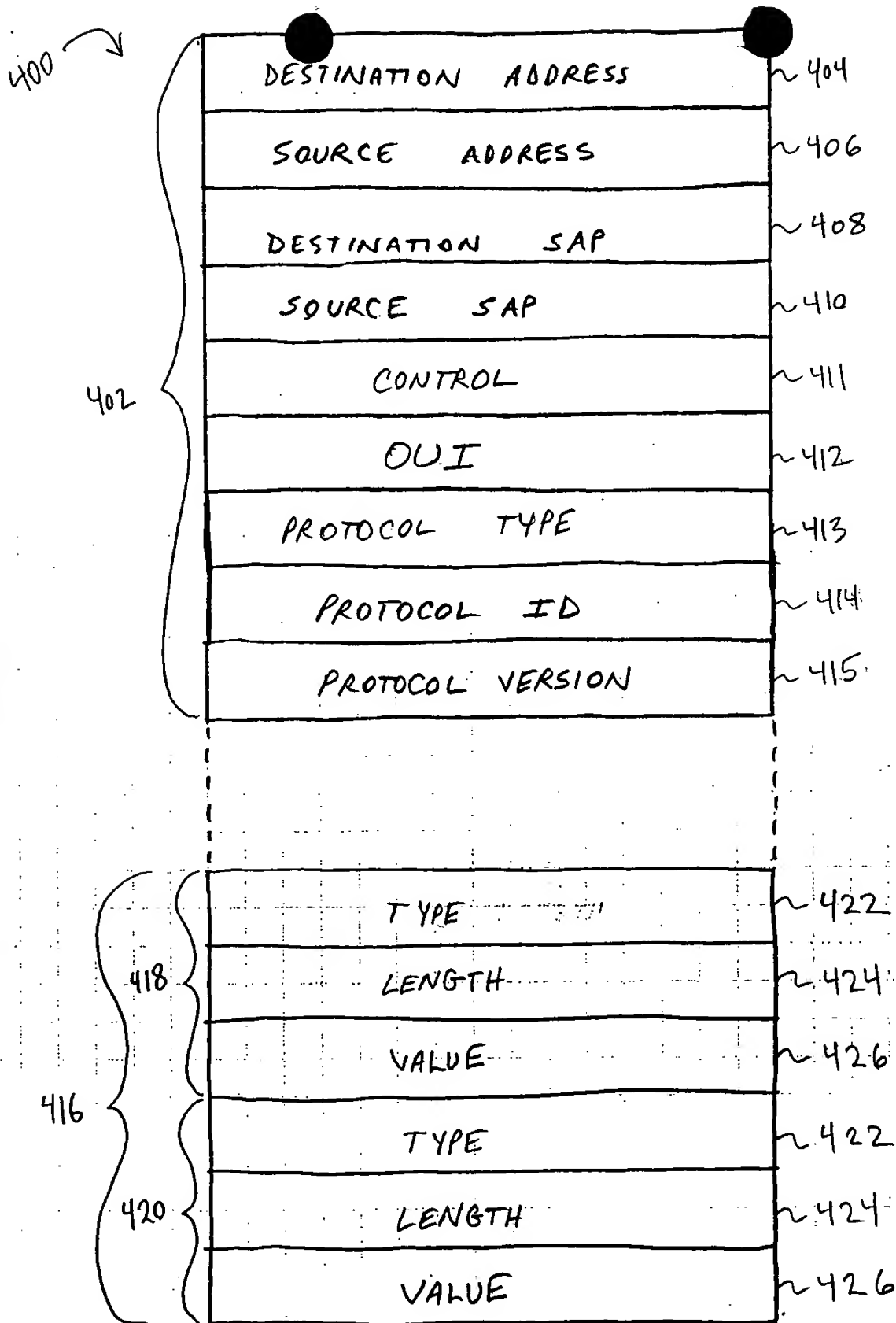


FIG. 4A

428

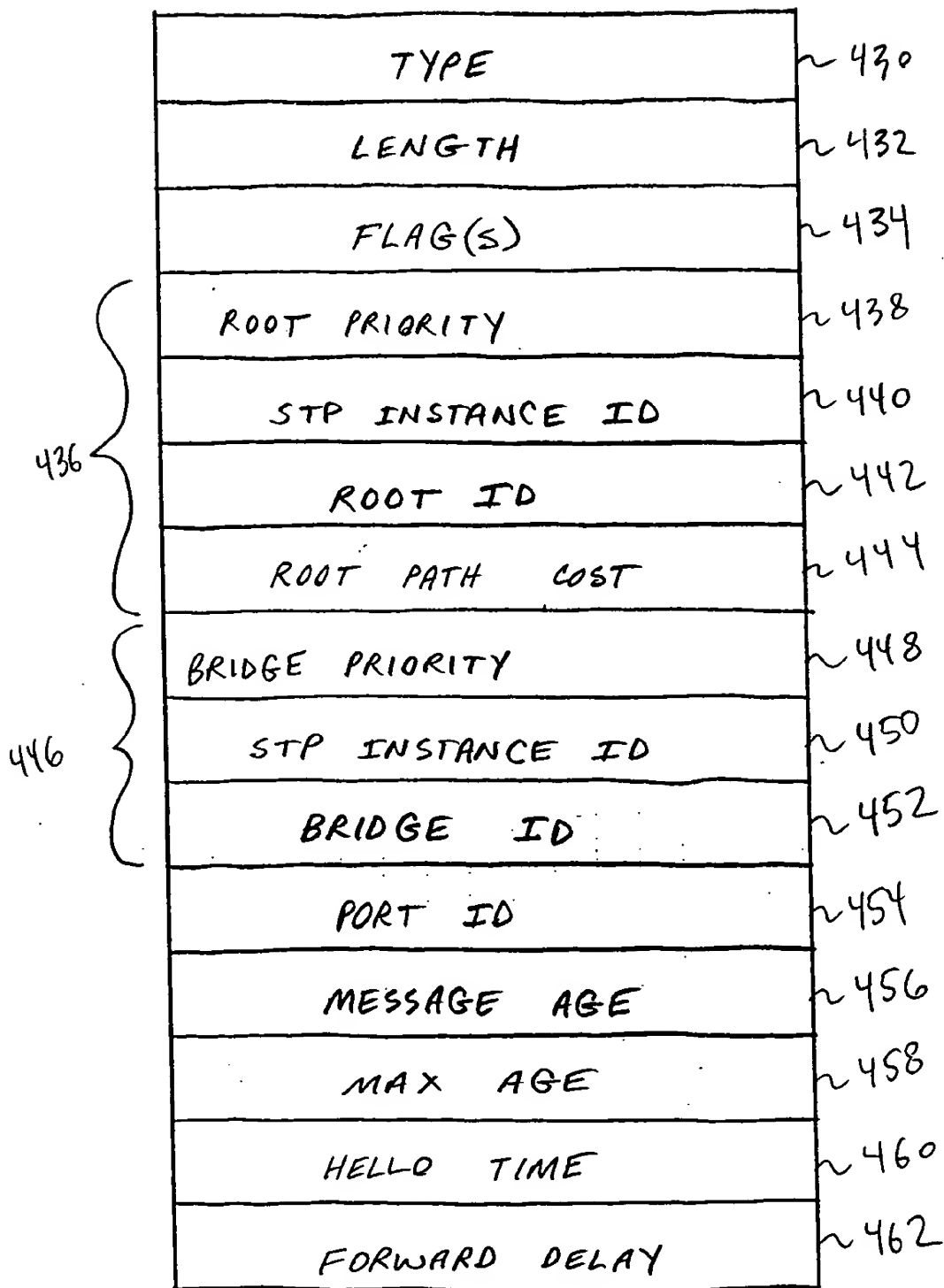


FIG. 4B

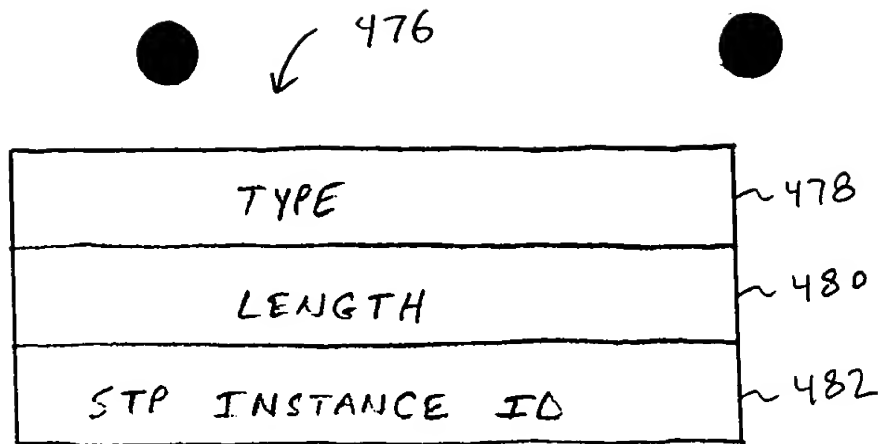


FIG. 4D

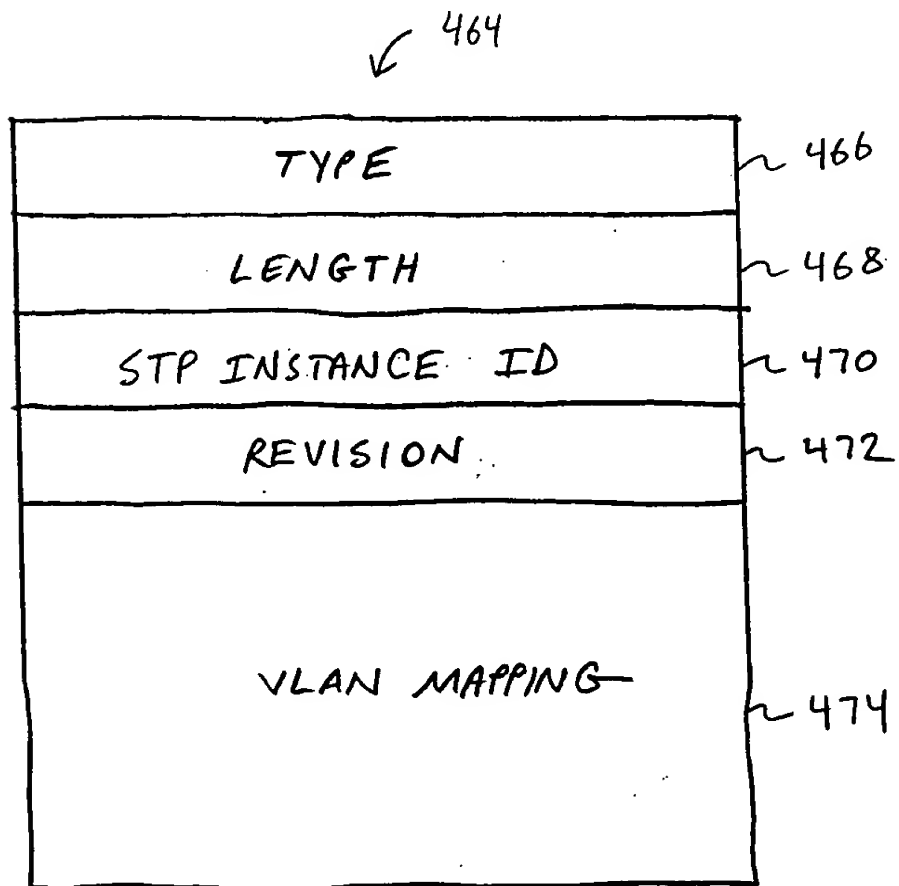


FIG. 4C

322

504
↓

506
↓

508
↓

STP INSTANCE ID	SPANNING TREE INFORMATION	VLAN MAPPING		
		508a ↓ REVISIONS	508b ↓ VLANs	
1	root, root port, ...	2	NULL	~S02
2	root, root port, ...	6	B	~S02
3	root, root port, ...	3	G, Y	~S02
4	root, root port, ...	1	0	~S02
5	root, root port, ...	15	V	~S02
6	root, root port, ...	7	R	~S02
•	•	•	•	
•	•	•	•	
•	•	•	•	
15	root, root port, ...	9	P	~S02
16	root, root port, ...	21	M	~S02

FIG. 5

09690619.101700

320

604

606

VLAN DESIGNATION	SPANNING TREE INSTANCE	
0	NULL	~ 602
1	6	~ 602
2	12	~ 602
3	12	~ 602
4	3	~ 602
5	12	~ 602
6	3	~ 602
.	.	
.	.	
.	.	
4092	8	~ 602
4093	8	~ 602
4094	12	~ 602
4095	4	~ 602

FIG. 6

09690619-101700

DDIOT 619700360

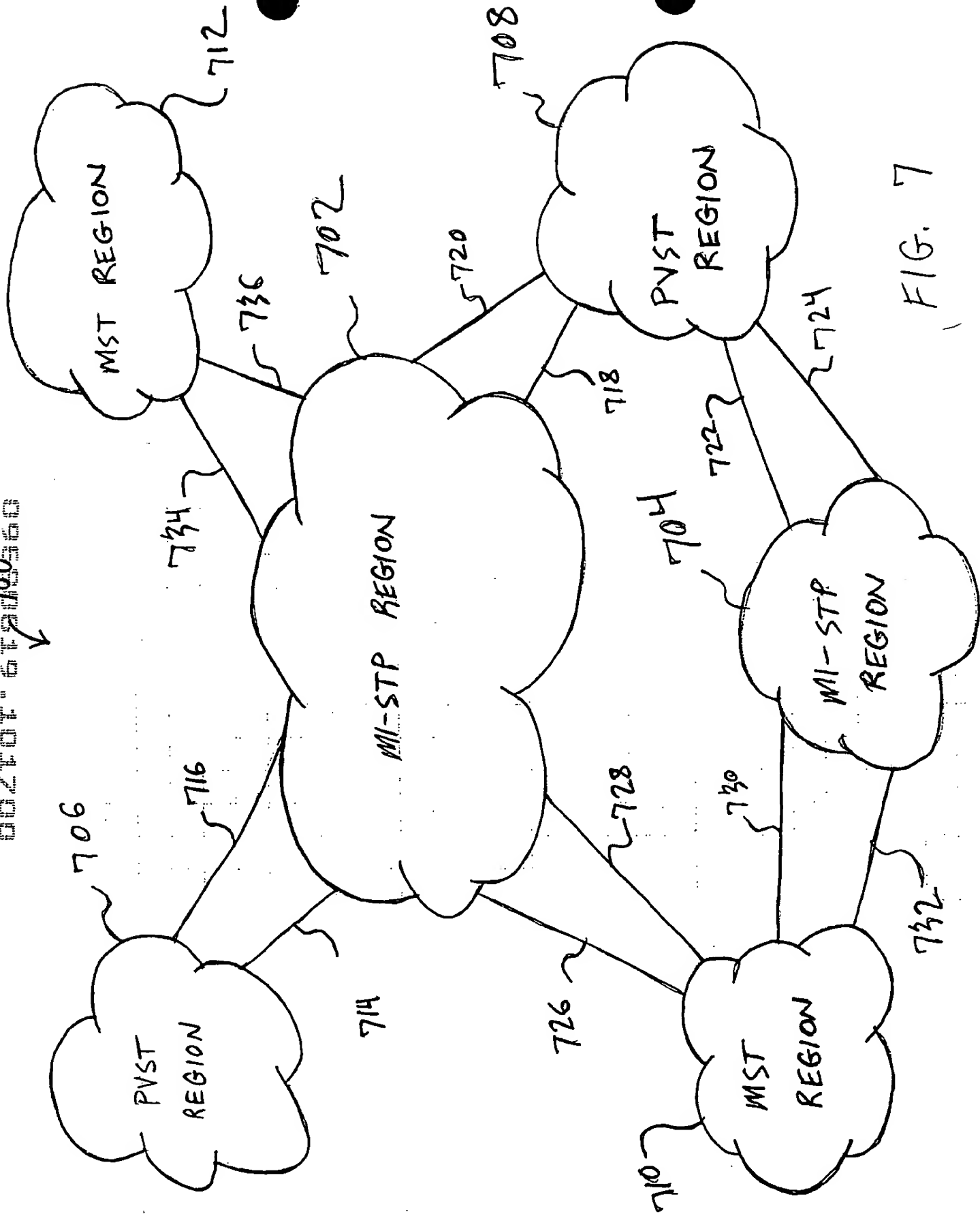


FIG. 7

FOR EACH SPANNING TREE INSTANCE FOR WHICH A SWITCH BELIEVES IT IS THE ROOT, GENERATE AND SEND ONE OR MORE MI-STP BPDUs HAVING CONFIGURATION TLVs IDENTIFYING ITSELF AS THE ROOT

~802

COMPARE CONTENTS OF CONFIGURATION TLVs OF ANY RECEIVED MI-STP BPDUs WITH BEST KNOWN SPANNING TREE DATA FOR THAT INSTANCE

~804

FOR EACH SPANNING TREE INSTANCE, IDENTIFY ROOT, ROOT PORT AND DESIGNATED PORT(S), IF ANY

~806

MAP VLAN DESIGNATIONS TO SPANNING TREE INSTANCES BY APPENDING VLAN TLVs TO THE MI-STP BPDUs

~808

FIG. 8